

Heather Kahler
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Education

Master of Science, Applied and Computational Mathematics, Summer 2005,
University of MN Duluth, GPA: 4.00/4.00.

Bachelor of Applied Science, Teaching Mathematics and **Bachelor of Science**,
Traditional Mathematics, Spring 2003, University of MN Duluth, GPA: 3.87/4.00.

University Experience

Teaching Assistant Professor, UW-Superior, November 2021-Present.
Courses include Elementary Statistics, Introduction to Contemporary Mathematics,
Fundamentals of Mathematics, Fundamentals of Algebra for Math 112/130. Develop
curriculum, facilitate online instruction, and contribute to the development of teaching and
learning scholarly work.

Senior Lecturer, UW-Superior, September 2012- November 2021.
Courses include Elementary Statistics, Intermediate Algebra, Introduction to Contemporary
Mathematics, First-Year Seminar in Mathematics, Mathematics Tutoring Practicum, and
Calculus I. Prepared lesson plans, held office hours, supervised student graders, created and
graded assessments, and assigned final grades. Instruction included both online and in person
courses.

Academic Advisor, UW-Superior, September 2005 – December 2018.
Assisted advisees as they pursued graduation.

Lecturer, McNair Scholars Program, University of WI – Superior. Summers 2006-2011, 2013-
2017. Served as primary lecturer or assistant for GRE mathematics preparation for McNair
Scholars.

Study Abroad Instructor, Dalkeith, Scotland, May 2012 – June 2012.
Created and taught course on cryptography, fair division, identification numbers, and game
theory through the Wisconsin in Scotland program. Planned and supervised field trips,
including one to Bletchley Park, England.

Math Lab Supervisor, UW-Superior, January 2005 – May 2012.
Supervised tutoring lab. Hired, scheduled, trained, and evaluated tutors while working within
budget. Frequently tutored students visiting lab in numerous mathematical subjects.
Addressed employee and student concerns, as needed.

Lecturer, UW-Superior, January 2005 – May 2012.
Taught several sections of Fundamentals of Mathematics and Mathematics Tutoring
Practicum. Incorporated Academic Service Learning and implemented technology through a

UW System Learning Technologies Development Council Curricular Redesign Grant and CETL (Center for Excellence in Teaching and Learning) Teaching with Technology grants. Designed and taught First Year Seminars since Fall 2008.

Instructor, UM-Duluth, September 2004 – December 2004 and September 2003 – December 2003.

Assumed all responsibilities as instructor of College Algebra (Fall 2004) and Mathematics for Elementary Education (Fall 2003).

Teaching Assistant, UM-Duluth, January 2004 – December 2004.

Oversaw computer labs and corrected lab papers (Spring 2004). Led two discussion sections and prepared and graded quizzes in Pre-Calculus (Fall 2004).

Undergraduate Research Advisement

Senior Capstone Advisor. Brandon Anderson, “An Application of the Poisson Distribution to the 2016-17 NHL Season”, May 2018. William Bengtson, “Impossible Cake Theorem” and Darby Sauer, “Fair Division: Properties of the Adjusted Winner Procedure,” Fall 2016.

Publications

Fezzey, Hilary, Fujieda, Eri; Goerd, Lynn; Kahler, Heather; and Nikoi, Ephraim. Global Learning Chapter in *Big Picture Pedagogy*, 2017.

Latterell, Carmen and Heather Kahler. “Moving Mathematics Online.” *eLearn Magazine* 1 Dec. 2003: 2. Web. 10 July 2012.

Selected Professional Service

Department Member. Mathematics and Computer Science, UW – Superior. Service includes Math Meet committee, Developmental Mathematics committee, catalog revisions, and engineering subcommittee which led to the creation of UW-Superior Associate of Science in Pre-Engineering.

Chair. Search committee for Instructional Academic Staff, UW-Superior, Department of Mathematics and Computer Science, October 2023- Present. Also served on other searches in past.

Committee Member. Developmental Mathematics, UW-Superior, January 2012 – December 2018, September 2019-Present.

Board Member, UW System IDEAS Alliance, May 2023 – Present.

Student Organization Advisor, UW-Superior, October 2005 – Present (sans one semester). Advise student organizations, including Street Level Ministries, Superior Cricket and Rugby Club, Cru, and Miracle Handwork Club. Primarily help with budget and administrative duties.

Canvas Departmental Liaison. June 2023-Present. Completed courses as a Canvas Certified Educator. Core 1: Foundational Frameworks. Core 2: Engagement Strategies. Core

3: Personalized Learning. Core 4: Transformational Practices with Digital Tools. Elective (Currently Enrolled): Using Assessments for Data Driven Decisions.

Moderator. Sonja Kovalevsky (SK) Day Webinar “Identifying as a Doer of Math” presented by Dr. Carmen Latterell, December 6, 2023.

President. American Mathematical Association of Two-Year College (AMATYC) 49th Annual Conference, Omaha, Nebraska, November 2023.

Volunteer. UWS Surge COVID Testing site for approximately 16 hours, November 2020-January 2021.

Workshop Leader. SK Day. Led three sessions on Discrete and Continuous Fair Division for high school females from area schools. College of St. Scholastica, November 7th, 2018.

Committee Member. Undergraduate Academic Affairs Committee, 2013-2014, January – May 2018.

Panel member. Women in STEM Career Panel at UW-Superior, Northwoods Women in Science, November 20, 2017.

Representative. Academic Staff Representative, Office of Professional and Instructional Development (OPID), University of Wisconsin, September 2014 – May 2017.

Committee Member. Center for Excellence in Teaching and Learning (CETL) Advisory, UW-Superior, September 2008-May 2012, September 2014 – May 2017.

Committee Member. Global Awareness and Education (GAEC), UW-Superior. Co-Chair, Spring 2010, Member September 2007 – May 2010.

Chair, Continuing Education Committee, UW-Superior, 2006-2007.

Workshop Leader. Student Support Services, UW-Superior. Led or co-led seven workshops since 2007 on topics such as math study skills, graphing calculator usage, and GRE preparation.

Selected Professional Development

Recipient. Co-recipient of open educational resource (OER) grant to create/modify OER in Math 112. UW-Superior, Fall 2022-Spring 2023.

Plenary Speaker. Voting Methods: What is Fair?, SK Day, UW-Superior, November 8, 2023.

Co-Presenter. “One Corequisite Course for Both Statistics and Quantitative Reasoning”. Webinar. AMATYC, October 10, 2023. [Link to article](#).

Presenter. “Reflective Teaching: A Shared Journey”, University of Wisconsin System OPID Spring Conference, April 17, 2023.

Participant. Math Affinity Group, COPLAC, Fall 2021-Spring 2022.

Participant. Superior Learning Experience, Summer 2022. Developed online corequisite course. Superior Learning Experience, Summer 2023. Developed online Fundamentals of Mathematics course. Superior Learning Experience for Instructors, Summer 2020. Worked on redesign of Math 112. UW-Superior.

Presenter. UWS Fall Enhancement Day, "Providing a 'Test Reader' in an Online Course", 2021.

Online Presenter. "Providing a 'Test Reader' in an Online Mathematics Course." Math Initiative Workshop on Active Learning for Equitable Instruction, June 10, 2021.

Undergraduate Student Chaperone. St. Norbert College, De Pere, WI 33rd Annual Pi Mu Epsilon Regional Undergraduate Math Conference, Nov 2-3, 2018.

Participant. Green Zone Training on supporting veterans and their families, UW-Superior, 2017.

Participant. University of Wisconsin (OPID) Faculty College. Participant, May 27-30, 2008; Observer, May 31-June 3, 2016.

Co-Presenter. "The Student and the Imposter: An Engaged Experience in Classroom Observation," OPID Spring Conference *Building Community in All Learning Environments*; Green Lake, WI; April 15, 2016 and 35th Annual Original Lilly Conference on College Teaching, Oxford, OH, November 20, 2015.

Participant. Attended several CETL events since 2007 and worked on SOTL research (Lesson Study with Shin-Ping Tucker (2009), Teaching with Technology with Marilyn Toscano (2012), and SOTL Cohort resulting in poster presentation at OPID Spring Conference (2014-15). UW-Superior.

Panelist. "The Path to Redesign: Institutional Factors that Impact Redesigning Developmental or General Education Level Mathematics" conference, La Crosse, WI, October 11-12, 2013.

Co-presenter. "Setting Appropriate Boundaries within Faculty-Student Relationships," Wisconsin Association of Educational Opportunity Program Personnel (WAEOPP) spring conference, April 19, 2011.

Presenter. "Using Mathematics to Combat Erosion in West Africa," Focus the Nation: Global Warming Solutions for America, UW-Superior, January 31, 2008.

Presenter. "An Introduction to Fair Division," Department of Mathematics and Statistics Undergraduate Colloquium, UM-Duluth, March 29, 2007.

Selected Conferences

Recipient. Academic Staff Development Grant to attend 2023 AMATYC meeting in Omaha, NE; 2019 JMM meeting in Baltimore, MD; 2015 Lilly Conference in Oxford, OH; 2013 AMATYC conference in Anaheim, CA; and 2008 AMATYC conference in Washington, DC.

AMATYC Conferences 2007, 2008, 2010, 2013 and 2023.

Wisconsin (OPID) Spring Conferences, 2015, 2016, 2017, 2023.

COPLAC Women in STEM, Asheville, NC, June 9-11, 2022.

Joint Mathematics Meeting, Baltimore, MD, January 2019.

Association of American Colleges and Universities (AAC&U), General Education and Assessment Conference, 2018.

Quality Matters. Online conference, 2023. In person conference, Denver, CO, 2018.

University of Wisconsin Distance Teaching and Learning Conference, 2016 and 2017.

Advancing Math Pathways for Student Success: Orientation to Math Pathways conference, San Antonio, TX, October 19-20, 2016.

WAEOPP Conference 2005, 2009, 2011, and 2012.

Awards

Student's Choice for Outstanding **Teaching** in an Online Program Award, UW- Superior, 2019-20.

Teaching Excellence Performance Award, UW-Superior, 2011.

TRiO Achiever for Outstanding Faculty or Staff, UW-Superior, 2009.